

SECRET**PRIORITY**

P 102149Z NOV 69
 FM NPIC WASHDC
 TO RHCOAAA/SAC OFFUTT AFB OMAHA NEB
 RHCOAAA/544TH ARTW OFFUTT AFB OMAHA NEB
 RUCILBA/100TH SRW OL 19 MCCOY AFB FLA
 RUWMDA/100TH SRW DAVIS MONTHAN AFB ARIZ
 RUWMDA/12 SAD DAVIS MONTHAN AFB ARIZ
 RUEBJRA/NAVRECONTECHSUPPCEN SUITLAND MD
 RUEAIIA/CIA WASH DC
 RUCRJCS/DIA
 RUWBKNA/15TH AF MARCH AFB RIVERSIDE CALIF
 RUEFHQA/HQS USAF
 BT

1969 NOV 10 22 09Z

OUT 68747

1

S E C R E T CITE NPIC 7387.

SAC FOR DIRI, DOSR, DISD, DM4C, DPLC; 100 SRW DAVIS MONTHAN AFB FOR
 DO, DCOI, DCM, AEMS; 12 SAD FOR MD; DIA FOR DIAXX-1; HQ USAF FOR
 AFIGOS, AFXOTR; 15TH AF FOR DI, DO, DM4C.

SUBJECT: EVALUATION OF OLD HEAD MISSION G-103

1. IMAGE QUALITY: THE IMAGE QUALITY OF THIS MISSION RANGES FROM FAIR TO GOOD. THE FAIR QUALITY IMAGERY HAS A DISTURBED APPEARANCE WHICH IS POSSIBLY THE RESULT OF VEHICLE VIBRATION. THE DEGRADATION, ALTHOUGH SLIGHT, DOES AFFECT APPROXIMATELY 50 PERCENT OF THE IMAGERY. THIS MISSION WAS EXPOSED USING A SLIGHTLY WIDER SLIT THAN MISSION 102. THE EXPOSURE ON THIS MISSION WAS GOOD; HOWEVER, THE WIDER SLIT SETTING COULD HAVE CONTRIBUTED TO THIS DEGRADATION. THE BEST IMAGERY OF MISSION G-103 IS CONSIDERED TO BE SLIGHTLY BETTER THAN THE BEST IMAGERY OBTAINED ON MISSION G-102. NO SIGNIFICANT DIFFERENCES IN IMAGE QUALITY WAS DETECTED BETWEEN THE FWD AND AFT EXPOSURES. DOUBLE IMAGERY IS APPARENT AT 57 DEGREES LEFT AND RIGHT ON THE FWD LOOKING FRAMES AND AT 47 DEGREES LEFT AND RIGHT ON THE AFT LOOKING FRAMES. THIS PROBLEM IS A CHARACTERISTIC ANOMALY OF THE SYSTEM AND IS CAUSED BY THE BAY WINDOW JOINTS. THIS ANOMALY WILL NOT BE REPORTED AGAIN UNLESS THE AREAS AFFECTED CHANGE IN LOCATION OR THE DEGRADATION TO THE IMAGERY BECOMES MORE SEVERE. THE INTERPRETATION SUITABILITY IS GOOD. CLOUD COVER OBSCURES APPROXIMATELY 20 PERCENT OF THE ENTIRE MISSION.

2. MISSION DATA:

DISTRIBUTION		
CY	OFFICE	PI
1	FILE	
2	CABLE SEC.	
	RECEIVED	
	SECUR.	
3,4	ISSG	✓
	PCS/CG	
	NSD	
	REARO	
	ASD	
	INR	
	FMCO	
	STICR	
	WEST	
	EAST	
	ERS	
	PGM	
5	ILS	
	DIA-IVA	
	SIAD	
	DIA-AP	
	CHX	

25X1

ADVANCE CY
 SANITIZED
 WITH TEXT

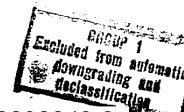
~~PAGE 3 RUEADJU 0019 SECRET~~

- A. G-103, 3 NOVEMBER 1969
- B. I-2, 8007
- C. A/C NUM: 339
- D. STEREO
- E. T/O: 1140Z, C/ON: 1347Z
- F. 3404, W-23A
- G. DUAL GAMMA, VISCOUS CHEMISTRY
- H. AVG. GAMMA: 1.76

3. A. EXPOSURE: THE EXPOSURE IS GOOD.

B. DENSITY AND CONTRAST: THE DENSITY IS GENERALLY MEDIUM WITH MEDIUM TO LOW CONTRAST.

C. IMAGED DEGRADATIONS: PLUS DENSITY AREAS ARE PRESENT ALONG THE TITLED EDGE OF THE FORMAT. THESE AREAS ARE ASSOCIATED WITH LIGHT BENDING AROUND THE SLIT MECHANISM WHEN OBJECTS OF HIGH SPECTRAL REFLECTANCE ARE IMAGED. PLUS DENSITY MARKS ASSOCIATED WITH THE SKEW BAR ARE PRESENT ON ALL FRAMES ON THE LAST HALF OF THE MISSION. PLUS DENSITY PRESSURE MARKS, PARALLEL TO THE MINOR AXIS, ARE LOCATED 12 INCHES AND 5.2 INCHES IN FROM THE SUPPLY END ON THE FWD AND AFT

SECRET

FRAMES RESPECTIVELY. MINOR BANDING IS PRESENT ON THE LAST HALF OF THE MISSION.

D. PHYSICAL DEGRADATIONS: MINOR EMULSION SCRATCHES ARE PRESENT INTERMITTENTLY THROUGHOUT THE MISSION. KINKS AND CREASES ARE PRESENT ON FRAMES 395 AND 396, AND WERE APPARENTLY CAUSED BY HANDLING AFTER PROCESSING. ONE MANUFACTURER'S SPLICE AND THREE TAPE SPLICES ARE PRESENT ON THIS MISSION.

E. ALL DATA RECORDING SYSTEMS FUNCTIONED PROPERLY.

F. THE METERING IS IRREGULAR ON THE FIRST SEVEN FRAMES OF THE MISSION. THE FIRST THREE FRAMES CONTAIN VARIOUS LIGHT LEAK INDUCED FOG PATTERNS. BOTH THE ERRATIC METERING AND FOG PATTERNS APPEAR TO BE ASSOCIATED WITH CAMERA START-UP. THE LAST TITLED FRAME IS 882; HOWEVER, THE LAST FRAME WITH IMAGERY IS 872.

4. POSITIVES: THE PRINTING AND PROCESSING ARE GOOD AND ADEQUATE FOR INTERPRETATION PURPOSES.

EOM

GP-1

S E C R E T

END OF EMESSAGE